

7  
CLAIMS

What is claimed is:

1. An insemination device comprising:  
a sperm reservoir comprising sperm therein;  
a pump in fluid communication with said sperm reservoir and operative to pump sperm therefrom; and  
a filter in fluid communication with said pump adapted to filter said sperm to form a sperm filtrate that has a higher fertility potential than said sperm before being filtered by said filter.
2. The insemination device according to claim 1, wherein said filter is in fluid communication with an outlet of said pump.
3. The insemination device according to claim 1, further comprising a catheter in fluid communication with said filter downstream of said pump.
4. The insemination device according to claim 3, wherein said catheter comprises a hysterosalpingography (HSG) catheter that includes a fixing balloon.
5. The insemination device according to claim 1, wherein said filter is in fluid communication with an inlet of said pump.
6. The insemination device according to claim 5, further comprising a catheter in fluid communication with said filter downstream of said pump.
7. The insemination device according to claim 6, wherein said catheter comprises a hysterosalpingography (HSG) catheter that includes a fixing balloon.
8. The insemination device according to claim 1, further comprising a controller in operative communication with said pump, adapted to control operation of said pump.